

ecology and environment, inc.

CLOVERLEAF BUILDING 3, 6405 METCALF, OVERLAND PARK, KANSAS 66202, TEL. 913/432-9961

International Specialists in the Environment

MEMORANDUM

TO:

Pete Culver, RPO

THRU:

Steve Vaughn, E & E/FIT

FROM:

Wesley McCall, E & E/FIT

DATE:

November 3, 1988

SUBJECT:

Work Plan for the limited Site Investigation at the Del Vista

Acres Site, Villa Ridge, Missouri TDD #F-07-8809-022 PAN #FM00100SA

Site #T12

Project #001 Superfund Contact: Greg Reesor

INTRODUCTION

Ecology and Environment, Inc., Field Investigation Team (E & E/FIT) was tasked by the Region VII U.S. Environmental Protection Agency (EPA) to conduct limited follow-up sampling at the Del Vista site in Villa Ridge, Missouri (Figure 1) (sub-site of Villa Ridge Site -MOD980858211). Investigation at this site began after local resident, reported that the Bliss Oil Service had applied oil to the road surface of Del Vista Drive on two occasions in 1977. Concern over potential 2,3,7,8-TCDD contamination led Richard Raszula, the chairman of the Del Vista Acres Road Fund, to enlist the services of a private consulting firm to conduct limited soil sampling in the area. Although the analytical results of that sampling effort were not made available to the EPA, Raszula reported that the TCDD levels ranged from 70 to 90 parts per trillion (E & E/FIT 1984).

Two sampling events have been performed by the E & E/FIT at the Del Vista Acres (DVA) site. The first sampling was in August 1983 (TDD #TAT-07-F-00187) and was a general screening of the area. The second sampling event occurred in January 1984 (TDD #R-07-8312-12). This was a more intensive sampling of the previously established road segments RS4, RS5, and RS6. Only one sample taken during these sampling events was above the 1.0 ppb action level from 2,3,7,8-TCDD: sample AAK-826 had a TCDD concentration of 2.28 ppb. This sample consisted of five aliquots collected from 0 to 6 inches along the north shoulder of road section 5 (RS5).

The objective of this proposed limited sampling is to more accurately define the level and extent of any possible 2,3,7,8-TCDD that may exist along RS5 (Figure 2).

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Del Vista Acres Work Plan Page 2

PHYSICAL SETTING

The area that was sprayed with oil begins about 2,000 feet from Route M and continues to the bridge on Del Vista Drive (E & E/FIT 1984). The total area sprayed is approximately 2,000 feet long and 30 feet wide. The DVA site is located in the E 1/2 of Section 15, T. 43 N., R. 1 E., and is accessible from Route M approximately one mile south of its junction with Missouri Route 100. The roadway gives access to a residential area in the small township of Villa Ridge, Missouri. The population of the township is approximately 300, with 50 to 100 people living along the segment of Del Vista Drive that was sprayed with oil (E & E/FIT 1984).

The bedrock underlying this area is the Ordovician-age Powell Formation, comprised largely of cherty dolomite (MDNR 1979). The soils forming on this bedrock are of the Hobson-Coulstone-Clarksville group. The surface soils of this group are silty loams which are well drained to excessively drained soils. This feature is underlain by a moderately permeable clay loam subsoil (USDA 1979).

Surface water is drained from the site by an unnamed intermittent stream which joins Pin Oak Creek approximately two miles from the DVA site. The floodplain of the Bourboureuse River is approximately three miles downstream from the site (USGS 1969). At least two wells are located within three miles of the DVA site. Statistics for these wells are listed blow:

Location	Total Depth	Static Water Level
Sec. 13, T. 43 N., R. 1 E.	730 feet	220 feet
Sec. 3, T. 43 N., R. 1 E.	600 feet	182 feet
(MDNR 1002)		

(MDNR 1982)

PROPOSED FIELD ACTIVITIES

A group of eight soil samples including one duplicate will be collected along RS5 (Table 1 and Figure 2). Five samples will be taken along the north shoulder of RS5 between the intermittent stream and North Drive. One sample will be taken near the midpoint of the south shoulder of old RS5. One background sample will be collected from the road shoulder at the intersection of Routes M and 100. All soil samples will consist of three aliquots. Sample activity number TK9B6 will be assigned to all samples.

Del Vista Acres Work Plan Page 3

HEALTH AND SAFETY CONSIDERATIONS

Because previous sampling has produced only one sample above the 1.0 ppb EPA action level for TCDD this can be considered a low hazard site. Field activities will be conducted in level C personal protection including tyveks, gloves, boots, and powered air purifying respirators. Nitrile gloves will be worn over surgical gloves and rubber booties used if site conditions warrant. In case of severe cold, these procedures will be modified to prevent hypothermia.

Personal decontamination will consist of removing and bagging all disposable outerwear, which will be containerized and returned to the EPA Region VII Laboratory for future disposal. Dry decon procedures will be used on site.

PERSONNEL REQUIREMENTS AND PROJECTED TIMETABLE

Field work is scheduled for November 16, 1988. This project will require a two member FIT team. The team leader will conduct documentation and sampling, and the Site Safety Officer will be responsible for safety monitoring and sampling.

The proposed resources for this phase of the investigation are outlined below:

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Equipment - 2 people x 6 hours = 12 hours

Travel - 2 people x 10 hours = 20 hours

Field Work - 2 people x 4 hours = \frac{8}{40} hours
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SUMMARY

The purpose of this limited follow-up sampling is to determine whether the 1.0 ppb TCDD detected in sample AAK-826 taken from along RS5 was an anomaly or a true representation of the level of TCDD at this location (Figure 2). This was the only sample of more than 70 taken at the DVA Site in which TCDD was detected above 1.0 ppb.

Six soil samples consisting of three aliquots each will be collected along RS5 of Del Vista Drive. These samples will be submitted for 2,3,7,8-TCDD analysis. Samples will be collected on November 16, 1988, and delivered to the Region VII EPA Laboratory in Kansas City, Kansas, on November 18, 1988. The Analytical Services Request Form for this activity is attached.

Del Vista Acres Work Plan Page 4

A trip report outlining field activities will be submitted three weeks after returning from the field. A data summary, including EPA Site Inspection Form 2070-13, will be submitted within six weeks of receipt of the EPA data transmittal.

Attachments: Bibliography

Figure 1: Site Location Map
Figure 2: Site Sketch/Sample Locations

Table 1: Sample Summary

Analytical Services Request Form

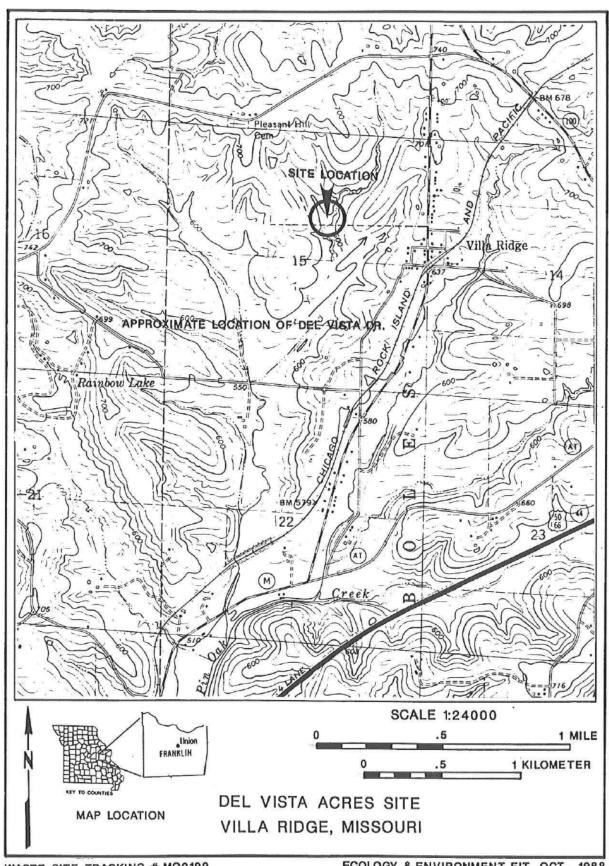
Bibliography

- Ecology and Environment, Inc., Field Investigation Team, February 1984, Trip Report, Del Vista Acres Site, TDD #R-07-8312-12.
- Missouri Department of Natural Resources, 1963, Ground Water Maps of Missouri, Rolla, Missouri.
- Missouri Department of Natural Resources, 1979, Geologic Map of Missouri, 1:500,00.
- Missouri Department of Natural Resources, 1982, Missouri Water Atlas, Jefferson City, Missouri.
- United States Department of Agriculture, Soil Conservation Service, 1979, <u>Missouri General Soil Map and Soil Association Descriptions</u>, USDA-SCS, Columbia, MO.
- United States Geological Survey, 1969, 7.5 Minute Series Topographic Map, Moselle Quadrangle, Missouri, Washington, D.C.

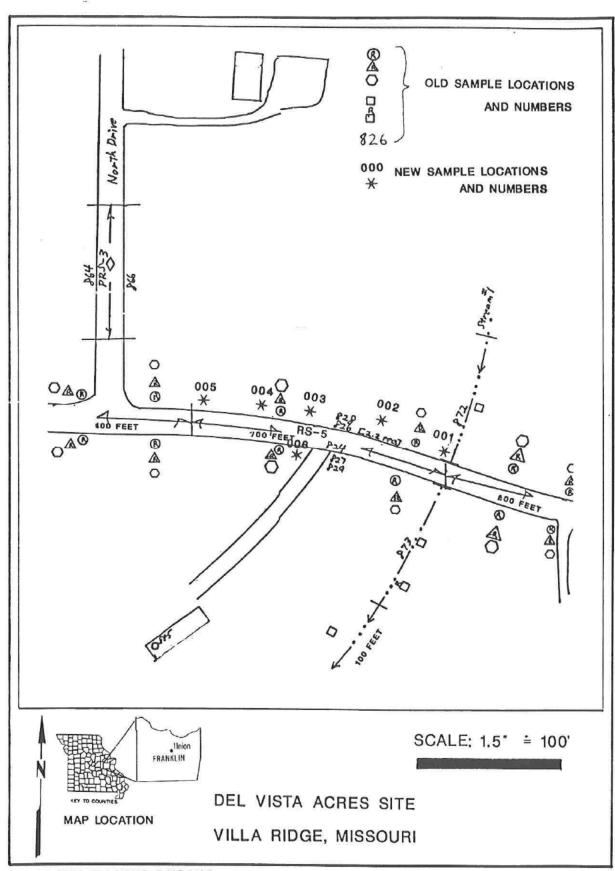
Table 1
Soil Sample Summary
Del Vista Acres
Villa Ridge, Missouri
Sample Series TK9B6

=======================================	=======================================	
Sample Number	Sample Location	
001	Eastern end of RS5 where Del Vista Drive crosses intermittent stream.	
50 feet west of Sample #001 on the nort shoulder of RS5.		
003	50 feet west of Sample #002 on the north shoulder of RS5.	
003D	Duplicate of Sample #003.	
004	50 feet west of Sample #003 on north shoulder of RS5.	
005	50 feet west of Sample #004, north shoulder of RS5, end of RS5.	
006	Approximately 100 feet west of Sample #001 on south shoulder of RS5.	
007	Background sample, taken on road shoulder at intersection of Route M and Route 100.	
=======================================		

Note: All samples will consist of three aliquots collected from 0 to 6 inches. See Figure 2 for proposed sample locations.



WASTE SITE TRACKING # MO0100 PREPARED BY: WESLEY MCCALL ECOLOGY & ENVIRONMENT FIT, OCT., 1988 SOURCE: USGS 7.5' MOSELLE, MO. QUAD., 1969



WASTE SITE TRACKING # MO0100
PREPARED BY: WESLEY MCCALL

ECOLOGY & ENVIRONMENT FIT, OCT., 1988 SOURCE: E&E FIT, 1984

REGION VII ANALYTICAL SERVICES REQUEST FORM

Activity Number TK 9 Activity Description 5000 Originator Activity Description 5000 Projected Sample Delivery	B 6 - sampling for Date 11/14/14	Date // Division		In Acces FIT/Spfd
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No. of Samples	Matrix Soils		Analyses Type	
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SPECIAL REQUIREMENTS OR CO	PIPILITY .			
APPROVALS		DAT	A REVIEW OPTI	ONS
Originator	(Date)		LEVEL 1 (In-o	lepth)
Division Director or Branc	h Chief(Date)		LEVEL 3 (mini	mal)
TO BE COMPLETED BY REGION Lab Branch Approval:	VII LABORATORY			
Lab Assignment			Due Date	
Region VII TAT ESAT	CLP Oth			Routine Other
Distribution Originator Data Coordinator CLQA RSCC		am Leade eam Lead		•

Other

Sec (45)





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International Specialists in the Environment

MEMORANDUM

TO:

Pete Culver, RPO

THRU:

Steve Vaughn, E & E/FIT

FROM:

Wesley McCall, E & E/FIT

DATE:

January 5, 1989

SUBJECT:

Trip Report and Data Summary for the limited Site Investigation of the Del Vista Acres Site, Villa Ridge,

Missouri

TDD #F-07-8809-022 Site #T12

PAN #FMOO100SA Project #001

Superfund Contact: Greg Reesor

70 to 90 parts per trillion (REM/FIT 1984).

INTRODUCTION

MOD980858211).

Site name: Del Vista Ridge Subsite (Villa Ridge) Ecology and Environment, Inc., Field Investigation Team (E & E/FIT) was tasked by the Region VII U.S. Environmental Protection Agency (EPA) to conduct limited follow-up sampling at the Del Vista site in Villa Ridge, Missouri (Figure 1) (sub-site of Vil<u>la Ridge Sit</u>e -Investigation at this site began after local resident, reported that the Bliss Oil Service had applied oil to the road surface of Del Vista Drive on two occasions in 1977. Concern over potential 2,3,7,8-TCDD contamination led Richard Raszula, then chairman of the Del Vista Acres Road Fund, to enlist the services of a private consulting firm to conduct limited soil sampling in the area. Although the analytical results of that sampling effort were not made available to the EPA, Raszula reported that the TCDD levels ranged from

Two sampling events have been conducted by the EPA at the Del Vista Acres (DVA) site. The first sampling was in August 1983 (TDD #TAT-07-F-00187) and was a general screening of the area. The second sampling event occurred in January 1984 (TDD #R-07-8312-12). This was a more intensive sampling of the previously established road segments RS4, RS5, and RS6. Only one sample taken during these sampling events was above the 1.0 parts per billion (ppb) action level for 2,3,7,8-TCDD: sample AAK-826 had a TCDD concentration of 2.28 ppb. This sample consisted of five aliquots collected from 0 to 6 inches along the north shoulder of RS5.

Del Vista Acres Site Trip Report Page 2

The objective of this limited sampling was to more accurately define the level and extent of any possible 2,3,7,8-TCDD that may exist along RS5 (Figure 2). A complete data transmittal for the Del Vista Acres site was received on December 13, 1988. A summary of the analytical results is included in this report.

FIELD ACTIVITIES

E & E/FIT members Wesley McCall, team leader/documentation, and Dave Tyson, site safety officer/sampler, conducted the limited SI of the DVA site on November 14, 1988. An initial drive-through reconnaissance was made of the housing development to clarify the exact location of RS5. This initial reconnaissance confirmed that North Drive was located west of the first stream crossing Del Vista Drive, which is in agreement with the old site sketch map (Figures 1 and 2).

The cargo van was parked on the edge of North Drive approximately 75 feet from its intersection with Del Vista Drive. Because the soil was moist and there was only a light breeze from the southwest, and because previous sampling had shown very low levels of dioxin, it was determined by the site safety officer that a level D walk-over of the site was permissible. The FIT avoided walking on the road shoulder and made no dermal contact with the site soils.

Soil Sampling

The sample series for this activity was DC901. Sample locations were measured off and flagged at 50-foot intervals on the north side of Del Vista Drive beginning with sample location 001 at stream #1, and proceeding westward 350 feet. The scale on the original site sketch map was not clear and measurement indicated that two additional samples should be taken along the north shoulder of the road section in order to sample every 50 feet of this section. One sample (006) was collected on the south side of Del Vista Drive just west of the residential driveway (Figure 2). Standard dioxin sampling procedures were followed. Sampling was conducted in level C personal protection with Racal powered air purifying respirators.

ON-SITE OBSERVATIONS AND INTERVIEWS

There are no houses along the north side of RS5 of Del Vista Drive. Most of the property is covered by young trees with some grassy areas near the roadway. There are several houses along the south side of Del Vista Drive. Surface runoff from the roadway would flow in this general direction (southerly).

Del Vista Acres Site Trip Report Page 3

While the E & E/FIT team was sampling, several local residents stopped to inquire about our activities. Walter Cates, the new Road Fund Chairman, spoke with the team leader. Cates may be contacted at:

Cates identified the secretary of the Road Fund as Betty Orphan, telephone

Cates also informed the FIT that he had used a motor-grader to regrade along the roads within the previous two weeks, and that there had been at least one period of significant rainfall since the grading was done. The soils sampled were still very moist.

All samples were collected along the road right-of-way, so a summary of the data can be sent to Mr. Walter Cates, Road Fund Chairman, at the above listed address.

DATA SUMMARY

A complete data transmittal (attached) for the Del Vista Acres site was received on December 13, 1988. The original activity number was TK9B6. This number conflicted in the dioxin database (B6 - Piazza Road) and was changed to DC901.

All of the samples were analyzed for 2,3,7,8-TCDD (dioxin). No dioxin was detected in any of the samples, including the duplicate. The sample quantitation limit was 0.3 ng/g (ppb) for each sample.

SUMMARY

The purpose of this limited sampling event was to determine the level and extent of any possible 2,3,7,8-TCDD contamination that may exist along the north shoulder of old RS5 of Del Vista Drive. A total of ten soil samples were collected following standard sampling procedures. These samples were submitted to the Region VII EPA lab on November 18, 1988. A complete data transmittal was received on December 13, 1988. No 2,3,7,8-TCDD was detected in any of the samples above the sample quantitation limit of 0.3 ng/g. A completed EPA SI form (2070-13) is also attached.

Attachments: Sample Summary Table

Site Location Map Site Sketch Map EPA SI Form 2070-13

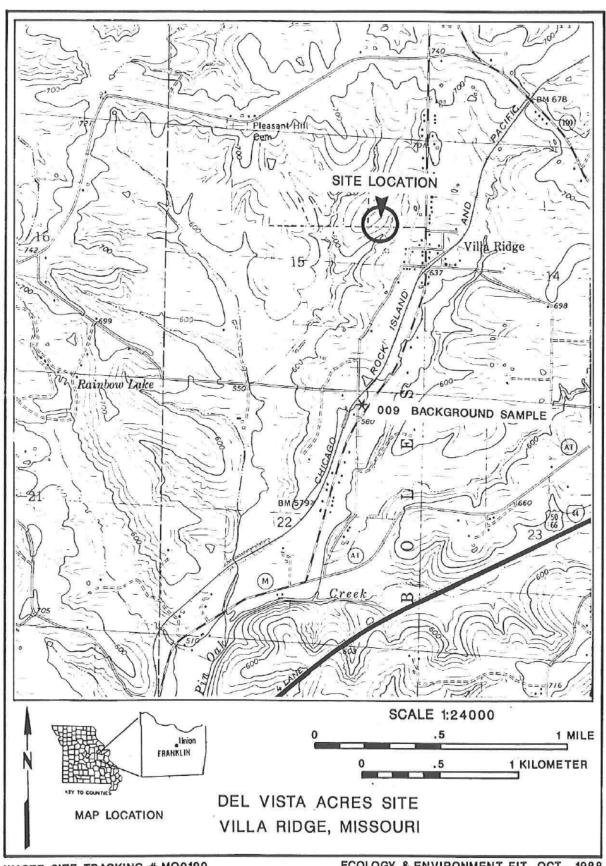
Field Sheets and Chain-of-Custody

Data Transmittal

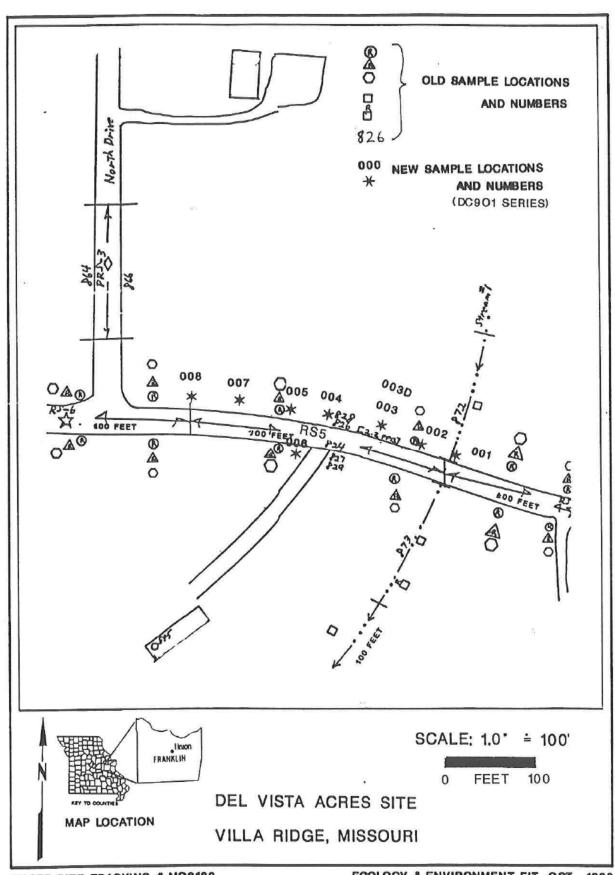
Table 1 Soil Sample Summary Del Vista Acres Site, Villa Ridge, Missouri E & E/FIT, November 14, 1988 Sample Series TK9B6

Sample Number	Location
001	Bed of intermittent stream on the north side of Del Vista Drive approximately 375 feet east of North Drive.
002	50 feet west of intermittent stream on the north side of Del Vista Drive.
003 100 feet west of intermittent stream on t north side of Del Vista Drive.	
003D	Duplicate of sample 003.
004	150 feet west of intermittent stream on the north side of Del Vista Drive.
005	200 feet west of intermittent stream on the north side of Del Vista Drive.
006	South side of Del Vista Drive just west of residential driveway.
007	250 feet west of intermittent stream, north side of Del Vista Drive.
008	300 feet west of intermittent stream, north side of Del Vista Drive.
009	West Villa Ridge Road, approximately 100 feet from entrance to Villa Ridge Road (Route M).
	=======================================

Note: All samples consisted of three aliquots collected from the 0 to 6 inch depth. See Figure 2 for sample locations.



WASTE SITE TRACKING # MO0100 PREPARED BY: WESLEY MCCALL ECOLOGY & ENVIRONMENT FIT, OCT., 1988 SOURCE: USGS 7.5' MOSELLE, MO. QUAD., 1969



WASTE SITE TRACKING # MO0100 PREPARED BY: WESLEY MCCALL ECOLOGY & ENVIRONMENT FIT, OCT., 1988 SOURCE: REM/FIT, 1984

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7-FPA-9262(Revised 5/85)



cc: Data Files
Ann Melia, E&E/FIT

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 7 25 FUNSTON ROAD KANSAS CITY, KANSAS 66115

	1 1-2
DATE: _/	2/13/88
MEMORANDU	<u>M</u>
SUBJECT:	Data Transmittal for Activity #: DC901 Site Description: Dol Vinta Sito
FROM:	Andrea Jirka Al Chief, Laboratory Branch, ENSV
TO:	Robert L. Morby Chief, Superfund Branch, WSTM
Atta	ched is the data transmittal for the above referenced
site. Th	is should be considered a Partial or X Complete
data tran	smittal (completes transmittal of). If
you have	any questions or comments, please contact Dee Simmons at
236-3881.	* 1
Attachmen	ts

EPA Region VII

Data Qualification Codes

- U The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.
- M Compound was qualitatively identified; however, quantitative value is less than contract required quantitation limits (CLP data); or value is less than limit of quantitation (EPA data) and is, therefore, an estimated value.
- J The associated numerical value is an estimated quantity.
- I The data are invalid (compound may or may not be present). Resampling and/or reanalysis is necessary for verification.
- O Sample lost or not analyzed.
- L Value known to be higher than value reported.
- N Presumptive evidence of presence of material.
- NA Sample was not analyzed for this compound.
- NJ Presumptive evidence of the presence of the material at an estimated quantity.
- UJ The material was analyzed for, but was not detected. The sample quantitation limit is an estimated quantity.

Codes for Flash Point Data

- L The sample did not ignite or "flash." This is the highest temperature at which the sample was tested. It is possible that the material may be ignitable at higher temperatures.
- K The sample did ignite or "flash" at the lowest temperature tested. This is usually the ambient temperature at the time of the test. It is possible that the material may be ignitable at even lower temperatures.

:	Site Name: DEL VISTA ACRES Site Number: Location: VILLA RIDGE MO Site Code: T12	:
	Collected: YR: 88 MO: Day: Time: 3:75 Leader: W MCCALL Sample Number: TK986001 SMO #: Sample Media (circle one): SOIL DUST, RINSATE, SEDIMENT, WATER, OTHER: Sample Split (circle one): YES NO	:
:	Sample Container : Tag Color : Preservative : Analysis Requested	
	BOZ.JAR IN : BLUE : DIOXIN SM PAINT CAN : Depth: 0-6" Pan #: FMOPHOST Aliquots: 3 Samplers: Dave Tyson Wes M. P. M. COMMENTS OF FIELD PERSONNEL	:::::::::::::::::::::::::::::::::::::::
	Site Description: In bottom of intermittent Stream bed on Del Vista Dr ~ 250 ft east of North Dr.	: : : : : : : : : : : : : : : : : : : :

: :	Site Name: DEL VISTA ACRES Site Number: Location: VILLA RIDGE MO Site Code: T12	:
	Collected: YR: 38 MO: // Day: // Time: 3:55 Leader: W MCCALL Sample Number: TK986002 SMO #: Sample Media (circle one): SOIL, DUST, RINSATE, SEDIMENT, WATER, OTHER: Sample Split (circle one): YES NO	:::::::::::::::::::::::::::::::::::::::
:	Sample Container : Tag Color : Preservative : Analysis Requested	:
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	COMMENTS OF FIELD PERSONNEL	
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: :	Site Name: DEL VISTA ACRES Site Number: Location: VILLA RIDGE MO Site Code: T12	:
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:	Sample Container : Tag Color : Preservative : Analysis Requested 8 OZ.JAR IN : BLUE : : DIOXIN	: :
	Depth: 0-6" Pan #: ##Optd 5# Aliquots: 3 Samplers: Dave Tyson Wer MECall	
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	BOZ.JAR IN : BLUE : DIOXIN SM PAINT CAN : Depth: 0-6 Pan #: FMOONS Aliquots: 3 Samplers: Dave Tyson Wes M = Call	
	COMMENTS OF FIELD PERSONNEL	
	Site Description: Same as Sample # CC	7

:	Site Name: DEL VISTA ACRES Site Number: Location: VILLA RIDGE MO Site Code: T12	 : :
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;	Sample Container : Tag Color : Preservative : Analysis Requested	:
	BOZ.JAR IN : BLUE : DIOXIN SM PAINT CAN : Depth: O-6" Fan #: FMO MASH Aliquots: 3 Samplers: Dave Tyson Wes M=Call	: : : : : : : : : : : : : : : : : : : :
	COMMENTS OF FIELD PERSONNEL	
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:	Site Name: DEL VISTA ACRES Site Number: : Location: VILLA RIDGE MO Site Code: T12 :
: : : : : : : : :	Collected: YR: 38 MO:// Day:// Time: 4:30 Leader: W MCCALL Sample Number: TK986005 SMO #: Sample Media (circle one): (SOIL) DUST, RINSATE, SEDIMENT, WATER, OTHER: Sample Split (circle one): YES NO
;	Sample Container : Tag Color : Preservative : Analysis Requested :
	BOZ.JAR IN : BLUE : DIOXIN SM PAINT CAN : Depth: 10-6 Pan #: FHOOMS: Aliquots: 3 Samplers: Dave Tyson Web M-Call
	COMMENTS OF FIELD PERSONNEL
	Site Description: 200'ff west of internithent stream on N shoulder of Del Vista Dr.

:	Site Name: DEL VISTA ACRES Site Number: : Location: VILLA RIDGE MO Site Code: T12 :					
	Collected: YR: 38 MO: // Day: // Time: 4.40 Leader: W MCCALL Sample Number: TK986006 SMO #: Sample Media (circle one): SOIL DUST, RINSATE, SEDIMENT, WATER, OTHER: Sample Split (circle one): YES NO					
:	Sample Container : Tag Color : Preservative : Analysis Requested :					
	Depth: D-6" Pan #: FMODULESA Aliquots: 3 Samplers: Da/c Tyson Was McCall					
	COMMENTS OF FIELD PERSONNEL					
	Drive. Road shoulder just west of presidential drive way #					

:	Site Name: DEL VISTA ACRES Site Number: Location: VILLA RIDGE MO Site Code: T12				
: : : : : : : : : : : : : : : : : : : :	Collected: YR: 38 MO: # Day: /# Time: Leader: W MCCALL Sample Number: TK986007 SMO #: Sample Media (circle one): SOIL, DUST, RINSATE, SEDIMENT, WATER, OTHER: Sample Split (circle one): YES NO	:			
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: : : : :	Samplers: Dark Tyson Wes MªCall				
COMMENTS OF FIELD PERSONNEL					
	Site Description: 250 ft West of intermittans Stream, North shoulder, Del Visto Dr.	/			

:	Site Name: DEL VISTA ACRES Site Number: Location: VILLA RIDGE MO Site Code: T12	:				
: : : : : : : : : : : : : : : : : : : :	Collected: YR: 38 MO: // Day: // Time: 5:/5 Leader: W MCCALL Sample Number: TK986008 SMO #: Sample Media (circle one): SOIL, DUST, RINSATE, SEDIMENT, WATER, OTHER: Sample Split (circle one): YES NO	: : : : : : : : : : : : : : : : : : : :				
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	Depth: D-6" Pan # # Hodgets Aliquots: 3 Samplers: Date Tyson Wes McCall					
	COMMENTS OF FIELD PERSONNEL					
	Site Description: "300' West of intermitlents North shoulder, Del Vista Dr.	try				

: Site Name: DEL VISTA ACRES : Location: VILLA RIDGE MO	Site Number: : Site Code: T12 :			
: Collected: YR: 38 MO: // Day: // Time: 5/2 : Sample Number: TK986004 SMC : Sample Media (circle one): : SOIL DUST, RINSATE, SEDIMENT, WATER,	;] #: :			
: Sample Split (circle one): YES (NO	; ; : 			
: Sample Container : Tag Color : Freservative	e : Analysis Requested :			
: 8 OZ.JAR IN : BLUE : : SM PAINT CAN : :	DIOXIN			
Depth: 0-6" Pan #FMODIOSH Samplers: Pase Tyson Wes McCall	Aliquots: 3			
COMMENTS OF FIELD PERSONNEL				
Site Description: Background & West Villa Ridge Rd, ~ 10 entrance to Villa Ridge A	Sample: oft from Rd (Route M)			



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 7 25 FUNSTON ROAD KANSAS CITY, KANSAS 66115

DATE:	12/13/88		e.				
SUBJECT:	Activity Number: Site Description:	DC901 Del Vista Acre					
FROM:	D. Simmons D. S CLQA-LABO-ENSV	Simmons					
TO:	LABO Primary File	GK .					
Comments regarding the subject activity are as follows:							
Sample Number:							
Activity was received and analyzed under Act. No. TK9B6. This Act. No.							
conflicted in the dioxin database (B6 - Piazza Rd.); therefore, it was							
necessary	necessary to change the Activity Number to DC901.						
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	di .						

DATE: December 13,1988

MEMORANDUM

SUBJECT: DIOXIN DATA TRANSMITTAL FOR DC901

SITE: DEL VISTA SITES

FROM: ANDREA JIRKA

CHIEF, LABORATORY BRANCH, ENSV

TO: CHARLES HENSLEY CHIEF, EP&R-ENSV

The following are the data results for DC901.

This data represents a PARTIAL | COMPLETE transmittal.

SITE	EPA NO	VALUE	c v	UNITS	SAMPLED	DESCRIPTION .
••••	•••••	******	• •	•••••	•••••	
DEL	DC901001	0.300	υv	NG/GM	11/14/88	IN BOTTOM OF INTERMITTENT STREAM BED ON DEL VISTA DR 7250 FT EAST OF N
DEL	DC901002	0.300	UV	NG/GM	11/14/88	50' WEST OF INTERMITTENT STREAM ON N SIDE OF DEL VISTA DR. ROAD SHOULD
DEL	DC901003	0.300	UV	NG/GM	11/14/88	100' WEST OF INTERMITTENT STREAM ON N SIDE OF DEL VISTA DR., ROAD SHOU
DEL	DC901003D	0.300	UV	NG/GM	11/14/88	SAME AS # 003
DEL	DC901004	0.300	UV	NG/GM	11/14/88	150' W OF INTERMITTENT STREAM ON N SHOULDER OF RD ON DEL VISTA DR.
DEL	DC901005	0.300	UV	NG/GM	11/14/88	200' WEST OF INTERMITTENT STREAM ON N SHOULDER OF DEL VISTA DR.
DEL	DC901006	0.300	UV	NG/GH	11/14/88	SOUTH SIDE OF DEL VISTA DRIVE. ROAD SHOULDER JUST WEST OF RESIDENTIAL
DEL	DC901007	0.300	UV	NG/GM	11/14/88	250 FT. WEST OF INTERMITTENT STREAM, NORTH SHOULDER, DEL VISTA DR.
DEL	DC901008	0.300	UV	NG/GM	11/14/88	"300' WEST OF INTERMITTENT STREAM NORTH SHOULDER, DEL VISTA DR.
DEL	DC901009	0.300	UV	NG/GM	11/14/88	BACKGRND SMPL: WEST VILLA RIDGE RD. 7100 FT FRM ENTRANCE TO VILLA RIDGE

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